

### **Abstract**

An internal combustion engine constructed such that a high-pressure fuel is supplied to a fuel injection valve through a fuel supply path provided inside a cylinder head. An integrated type fuel joint block in which a fuel supply path through which a high-pressure fuel flows and a leak fuel path are arranged is detachably installed on a cylinder head, a high-pressure fuel inlet of the fuel joint block is connected to a fuel path from a fuel injection pump, a high-pressure fuel outlet of the fuel joint block is directly connected to a fuel path on the cylinder head side, and thus a fuel supply system and fuel return system about the cylinder head are integrated. As a result, in the internal combustion engine, the number of parts of the fuel system about the cylinder head is reduced and man-hours for assembly are reduced.